FIG.1

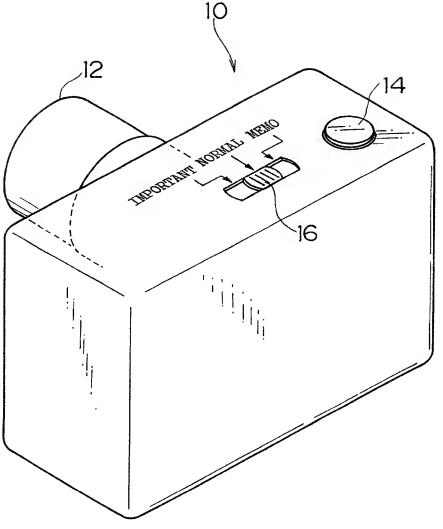


FIG.2

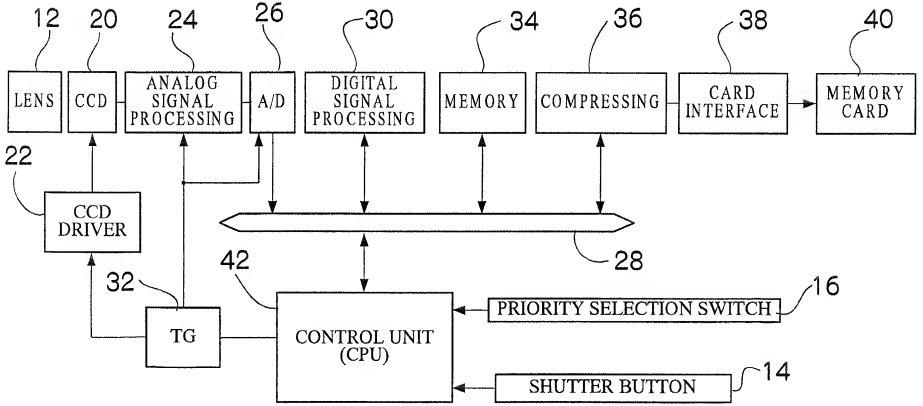

12
20
24
26
30
34
36
38
40
LENS
CCD
ANALOG SIGNAL PROCESSING
A/D
DIGITAL SIGNAL PROCESSING
MEMORY
COMPRESSING
CARD INTERFACE
MEMORY CARD
22
CCD DRIVER
28
42
32
TG
CONTROL UNIT (CPU)
PRIORITY SELECTION SWITCH
16
SHUTTER BUTTON
14

FIG.3

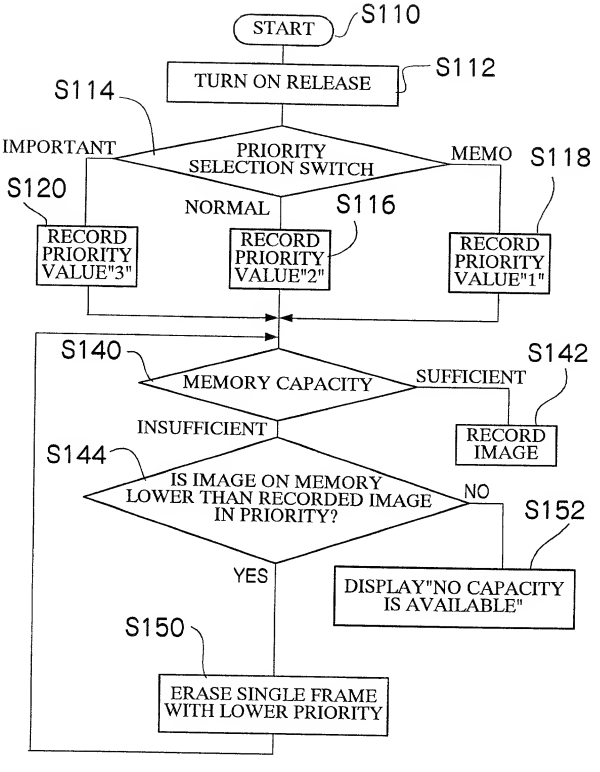

START
S110
TURN ON RELEASE
S112
S114
IMPORTANT
PRIORITY SELECTION SWITCH
MEMO
S118
S120
NORMAL
S116
RECORD PRIORITY VALUE"3"
RECORD PRIORITY VALUE"2"
RECORD PRIORITY VALUE"1"
S140
MEMORY CAPACITY
SUFFICIENT
S142
INSUFFICIENT
RECORD IMAGE
S144
IS IMAGE ON MEMORY LOWER THAN RECORDED IMAGE IN PRIORITY?
NO
S152
YES
DISPLAY"NO CAPACITY IS AVAILABLE"
S150
ERASE SINGLE FRAME WITH LOWER PRIORITY

FIG.4

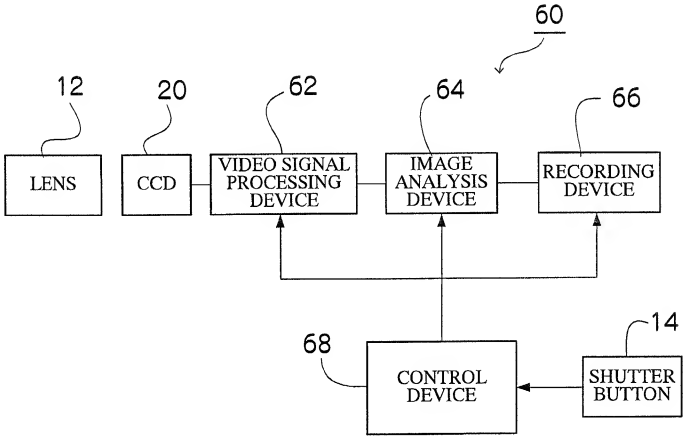

60
12
20
62
64
66
LENS
CCD
VIDEO SIGNAL PROCESSING DEVICE
IMAGE ANALYSIS DEVICE
RECORDING DEVICE
68
14
CONTROL DEVICE
SHUTTER BUTTON

FIG.5

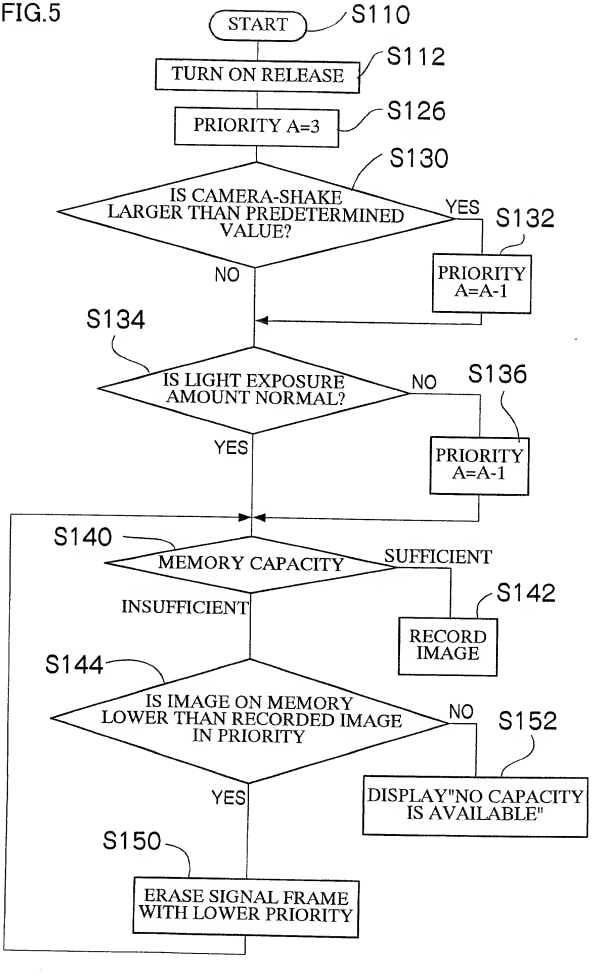

START
S110
TURN ON RELEASE
S112
PRIORITY A=3
S126
S130
IS CAMERA-SHAKE LARGER THAN PREDETERMINED VALUE?
YES
S132
PRIORITY A=A-1
NO
S134
IS LIGHT EXPOSURE AMOUNT NORMAL?
NO
S136
PRIORITY A=A-1
YES
S140
MEMORY CAPACITY
SUFFICIENT
S142
RECORD IMAGE
INSUFFICIENT
S144
IS IMAGE ON MEMORY LOWER THAN RECORDED IMAGE IN PRIORITY
NO
S152
DISPLAY"NO CAPACITY IS AVAILABLE"
YES
S150
ERASE SIGNAL FRAME WITH LOWER PRIORITY

FIG.6

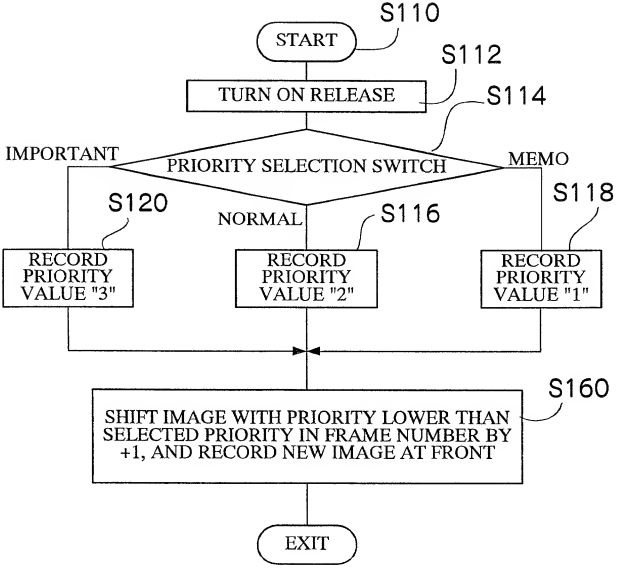
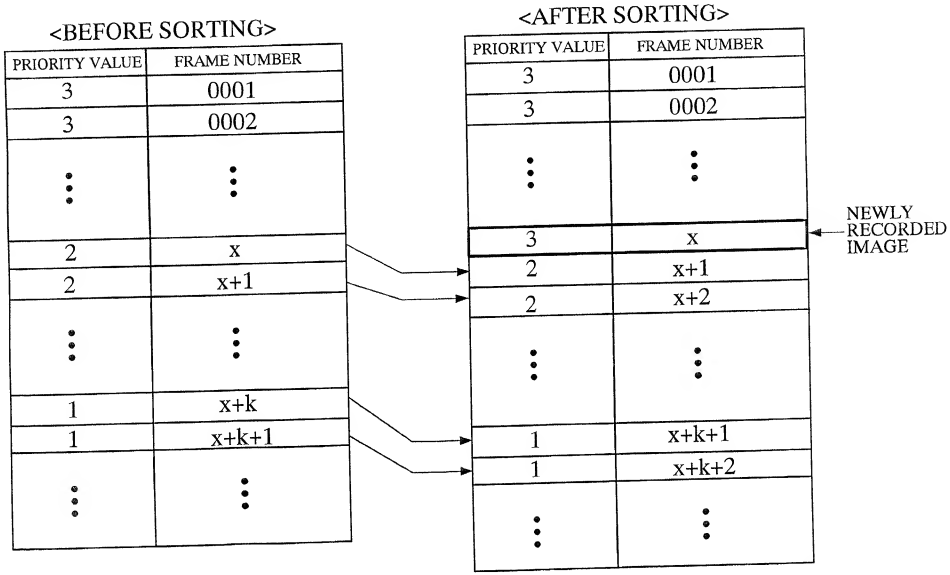

S110
START
S112
TURN ON RELEASE
S114
IMPORTANT
PRIORITY SELECTION SWITCH
MEMO
S120
NORMAL
S116
S118
RECORD PRIORITY VALUE "3"
RECORD PRIORITY VALUE "2"
RECORD PRIORITY VALUE "1"
S160
SHIFT IMAGE WITH PRIORITY LOWER THAN SELECTED PRIORITY IN FRAME NUMBER BY +1, AND RECORD NEW IMAGE AT FRONT
EXIT

FIG.7


<BEFORE SORTING>
PRIORITY VALUE
FRAME NUMBER
3
0001
3
0002
2
x
2
x+1
1
x+k
1
x+k+1
<AFTER SORTING>
PRIORITY VALUE
FRAME NUMBER
3
0001
3
0002
3
x
2
x+1
2
x+2
1
x+k+1
1
x+k+2
NEWLY RECORDED IMAGE